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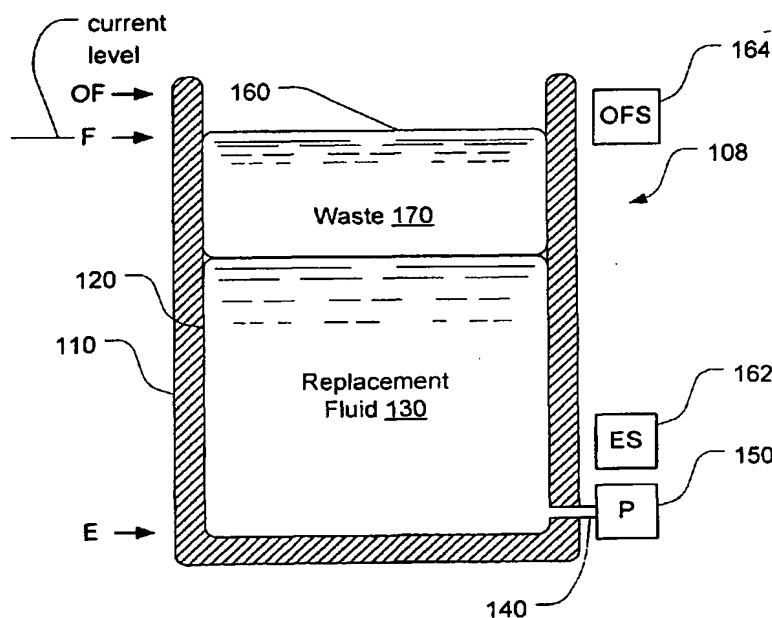
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[Continued on next page]

(54) Title: WASTE BALANCING FOR EXTRACORPOREAL BLOOD TREATMENT SYSTEMS



(57) Abstract: One or more waste balancing systems (108) may be used in a fluid circulating system for medical use. The fluid circulating system may be part of a blood treatment system for a patient suffering renal failure. A waste balancing system may include a pressure element operable to maintain a constant fluid pressure created by the combined weight of waste removed (170) from a patient and replacement fluid (130) for providing to a patient. Multiple evaluation characteristics or control parameters may be evaluated or controlled for safety and accuracy. At least part of the waste balancing system may be incorporated into a disposable cartridge.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00921

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61M 37/00, B01D 13/00, C02F 1/44
US CL : 210/645,646,321.71; 604/5.04,6.09,6.11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST BRS: proportioning, scale, dialysis

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,661,246 A (ASH et al) 28 April 1987 (28.04.1987), entire document.	1-34
Y	US 5,641,405 A (KESHAVIAH et al) 24 June 1997 (24.06.1997), entire document.	1-34
Y	US 5,344,568 A (KITAEVICH et al) 06 September 1994 (06.09.1994), entire document.	1-34
Y	US 4,728,433 A (BUCK et al) 01 March 1988 (01.03.1988), entire document.	1-34

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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